

Lovett Lake

(Approximate maximum depth: 7.4 m)

BEECHVILLE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

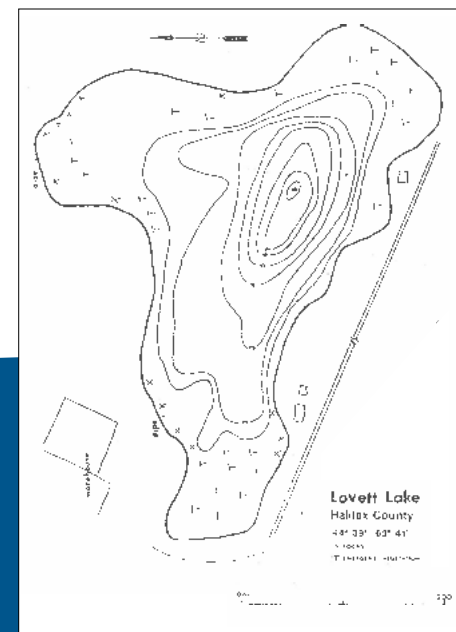
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 3	August 15	April 18	August 14	April 23	August 13
Secchi Depth	3.7 m	2.8 m	3.0 m	1.4 m	1.9 m	1.8 m
Surface pH	5.97	6.97	6.54	6.86	6.68	6.55
Surface SpC	0.6243 ms/cm	0.6463 ms/cm	1.0812 ms/cm	0.3254 ms/cm	0.6320 ms/cm	0.6140 ms/cm
Surface Temp	11.7 °C	24.9 °C	10.7 °C	23.1 °C	11.3 °C	23.3 °C
Surface DO	14.32 mg/L	8.13 mg/L	10.78 mg/L	8.25 mg/L	10.98 mg/L	8.16 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4.5 m		1.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		0.9 m (12%)		2.9 m (39%)		1.4 m (19%)
Strength of evidence for Internal Loading		None		None		Strong
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesoeutrophic
Deepwater Chloride	260 mg/L	200 mg/L	270 mg/L	190 mg/L	150 mg/L	150 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	18 / 58	6 / 14	>500 / >500	Not Collected	20 / 12

*ND = 'non-detect' for E.coli, indicating less than 2 CFU / 100 ml

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Satellite Imagery Map of Lovett Lake w/ Sampling Locations



Bathymetry Map of Lovett Lake